Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Wolverine Gasket Division, Eagle-Picher Industries, Inc.
Facility Name:	Wolverine Gasket Division, Eagle-Picher Industries, Inc.
Facility Location:	3175 State Street. Blacksburg, VA, 24060
Registration Number:	21240
AFS Number:	51-121-0080
Permit Number:	VA-21240

Renewal Effective Date: April 1, 2004
Modified Permit Date: July 1, 2006
Expiration Date: March 31, 2009

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Steven A. Dietrich, P.E.
Regional Director, Department of Environmental Quality

Signature Date: June 28, 2006

*This is the first modification of this Title V permit after the Title V renewal issuance date of April 1, 2004. The original Title V permit was effective December 16, 1998.

Permit: 34 pages

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I. Facility Information

Permittee
Wolverine Gasket Division
Eagle-Picher Industries, Inc.
3175 State Street
Blacksburg, VA 24060

Responsible Official
Mr. Richard Newark
Director – US Operations
540-552-7674

Facility
Wolverine Gasket Division
Eagle-Picher Industries, Inc.
3175 State Street
Blacksburg, VA 24060

Contact Person
Mr. Scott Meadows
Coordinator - HSE
540-557-6262

Registration Number: 21240
AIRS Identification Number: 51-121-0080

Facility Description: SIC Code 3053 – This plant manufactures gasket material, primarily for the automotive industry, by coating aluminum or steel metal coils with organic coatings. The organic coatings are similar to solvent-based paints. The coatings are applied to the metal coils as a liquid without spraying, and immediately dried and cured in a heated curing oven. The application stations and heated curing oven of coating line 5 are totally enclosed with VOC emissions exhausting to one (1) catalytic oxidizer to destroy VOC emissions. The application stations and heated curing oven of coating line 6 are totally enclosed with VOC emissions exhausting to one (1) catalytic oxidizer and (1) thermal incinerator to destroy VOC emissions. Both coating line 5 and coating line 6 are required to have a 98% VOC control efficiency to meet the existing source requirements of MACT SSSS. VOCs, including VOC HAPS, are the primary pollutants emitted from this facility with a vast majority coming from the coating operation.

This is a relatively new plant that was built in accordance with a April 11, 1995 state NSR air permit to construct and operate for coating line 5 and a January 23, 2001 NSR permit for coating line 6. NSPS Subpart TT, Metal Coil Coating, currently applies to coating line 5 and coating line 6, including all coil

coating, drying/curing ovens, and the full time catalytic oxidizer controlling VOC emissions. The NSPS does not apply to coating line 5's boiler (CL5B), coating line 6's boiler (CL6C), the coating mixing/preparation equipment for coating lines 5 and 6 (CLMR), or the storage tanks.

MACT Subpart SSSS, Surface Coating of Metal Coil applies to coating line 5 as an existing source. Coating Line 6 received a case-by-case MACT determination contained within the January 23, 2001 NSR permit for coating line 6, which was amended on September 19, 2003. At the time of the original 2001 NSR permit issuance, MACT SSSS was proposed but not promulgated. Based on potential emissions, coating line 6 is considered a major HAPs source in itself, not including HAP emissions from the rest of the plant. Coating line 6 was required to comply with MACT SSSS as a new source starting on April 1, 2004, the effective date of this permit.

PSD does not apply, and the plant is not currently a PSD major source, but it is a Title V major source since potential emissions of single HAPs exceed 10 tons/yr, combined HAPs exceed 25 tons/yr, and VOCs exceed 100 tons/yr. The HAPs are non-halogenated VOC solvents such as toluene in the organic solvent-based organic coating, and all the VOC solvents are assumed to evaporate.

The underlying NSR permits for this facility were revised in 2006 to incorporate compliance requirements for MACT SSSS. The NSR permit for line 5 was issued on February 15, 2006. The NSR permit for line 6 was issued on February 16, 2006.

The facility has no fuel burning equipment subject to air permitting requirements.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description
Provide the emission unit reference number.	Provide the stack number for the emission unit.	Provide a brief description of unit including manufacturer's name, model and date of construction if known.	Size and maximum rated capacity in units consistent with the standard or industry convention.	Provide a brief description of control device including manufacturer's name, model number and date of construction if known.
CL5	CL5	Coating Line #5 (steel/aluminum/metal coil coating/drying/curing oven)	662 lbs/hr VOC in coatings	one (1) catalytic oxidizer
CL6	CL6A and CL6B	Coating Line #6 – composed of CL6A and CL6B (steel/aluminum/metal coil coating/drying/curing oven)	770 lbs/hr VOC in coatings	one (1) catalytic oxidizer and one (1) thermal incinerator
CL6A	CL6A	Coating Line #6A for rubber and primer	536.2 lbs/hr VOC in coatings	one (1) catalytic oxidizer
CL6B	CL6B	Coating Line #6B for adhesive and water based graphite	230.28 lbs/hr VOC in coatings	one (1) thermal incinerator
CLMR	CL5, CL6A, CL6B	Coating Line Mixing Room (mixing/coating preparation equipment)	NA	CL5 or CL6 catalytic oxidizer or CL6 thermal incinerator

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

Pollutant control devices of the equipment to be operated:

Emission Unit ID	Stack ID	Emission Unit Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Provide the emission unit reference number.	Provide the stack number for the emission unit.	Provide a brief description of unit including manufacturer's name, model and date of construction if known.	Provide the PCD identification number.	Identify pollutant controlled.	Date of current permit and amendments that did not supersede permit. If more than one date is included, please clarify which date is for permit and which date(s) are for amendment(s).
CL5	CL5	Coating Line #5 (steel/aluminum/metal coil coating/drying/curing oven)	CL5	VOC and VOC HAPs	2/15/2006
CL6	CL6A and CL6B	Coating Line #6 – composed of CL6A and CL6B (steel/aluminum/metal coil coating/drying/curing oven)	CL6A and CL6B	VOC and VOC HAPs	2/16/2006
CL6A	CL6A	Coating Line #6A for rubber and primer	CL6A	VOC and VOC HAPs	2/16/2006
CL6B	CL6B	Coating Line #6B for adhesive and water based graphite	CL6B	VOC and VOC HAPs	2/16/2006
CLMR	CL5 CL6A CL6B	Coating Line Mixing Room (mixing/coating preparation equipment)	CL5 CL6A CL6B	VOC and VOC HAPs	2/15/2006 & 2/16/2006

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

III. Process Equipment Requirements – Coating Line 5

A. Limitations

1. **Emission Controls** – Volatile organic compound (VOC) emissions from the metal coil coating Line # 5 (CL5) shall be controlled by permanent total enclosure and a catalytic oxidizer/incinerator having a 98% destruction efficiency. The catalytic oxidizer/incinerator shall be provided with adequate access for inspection.
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, 9 VAC 5-60-100. and Condition 2 of the 2/15/06 Permit)

2. **Emission Controls** - The catalytic oxidizer on coil coating Line # 5, during actual coating operations, shall have a 3-hour average gas temperature immediately before the catalyst bed (catalyst inlet gas temperature) not less than the temperature when compliance was demonstrated during the most recent measurement of oxidizer efficiency. (The 3-hour average catalyst inlet gas temperature was 630 ^{0}F during the compliance test for MACT SSSS in 2005.)
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, 9 VAC 5-60-100, and Condition 3 of the 2/15/06 Permit)

3. **Throughput -** The volatile organic compound throughput for metal coil coating Line # 5 and its coating preparation equipment shall not exceed 1,844.4 tons per year, calculated as the sum of each 12 consecutive month period.
(9 VAC 5-80-110 and Condition 10 of the 2/15/06 Permit)

4. **Requirements by Reference -** Except where this permit is more restrictive than the applicable requirement, the NSPS subject equipment of metal coil coating Line # 5 shall be operated in compliance with the requirements of 40 CFR 60, Subpart TT.
(9 VAC 5-80-110, 9 VAC 5-50-400, 9 VAC 5-50-410, and Condition 11 of the 2/15/06 Permit)

5. **Requirements by Reference -** Except where this permit is more restrictive than the applicable requirement, the MACT subject equipment of metal coil coating Line # 5 shall be operated in compliance with the requirements of 40 CFR 63, Subpart SSSS.
(9 VAC 5-80-110, 9 VAC 5-60-90, 9 VAC 5-60-100, and Condition 12 of the 2/15/06 Permit)

6. **Requirements by Reference –** In such areas where requirements of 40 CFR 60.460 et seq. (NSPS Subpart TT) and 40 CFR 63.5080 et seq. (MACT Subpart SSSS) may create a conflict, MACT Subpart SSSS is deemed to be the prevailing regulation.
(9 VAC 5-80-110 and Condition 13 of the 2/15/06 Permit)

7. **Facility or Control Equipment Malfunction - Hazardous Air Pollutant Processes** - Metal coil coating Line # 5 shall shut down immediately if it is unable to meet the applicable emission standards, and shall not return to operation until it is able to operate in compliance with the applicable emission standards.
(9 VAC 5-80-110, 9 VAC 5-20-180 and Condition 14 of the 2/15/06 Permit)

8. **Emission Limits -** Emissions from the operation of the coating preparation equipment and metal coil coating Line # 5 shall not exceed the limits specified below:

Volatile Organic Compounds	13.24 lbs/hr	36.9 tons/yr

(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-60-300, and Condition 15 of the 2/15/06 Permit)

9. **Visible Emission Limit -** Visible emissions from metal coil coating Line # 5 shall not exceed five percent (5%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110, 9 VAC 5-50-260, and Condition 16 of the 2/15/06 Permit)

10. **Maintenance/Operating Procedures** – At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

    a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

    b. Maintain an inventory of spare parts.

    c. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the air pollution control equipment and maintain records of inspection results.

    d. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

    e. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

    Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
    (9 VAC 5-80-110, 9 VAC 5-50-20, and Condition 21 of the 2/15/06 Permit)

B. Monitoring

1. **Monitoring** - The catalytic oxidizer on coil coating Line # 5 shall be equipped with devices to monitor and record continuously the gas temperature upstream of the oxidizer catalyst bed in accordance with MACT SSSS and NSPS TT.

   (9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, 9 VAC 5-60-100 and Condition 3 of the 2/15/06 Permit)

2. **Monitoring** - The permittee shall conduct monitoring in accordance with the CL5 metal coil coating line catalyst bed inspection schedule and maintenance plan. The plan shall address the elements below in accordance with 40 CFR 63.5160(d)(3)(ii)(C) and (D) per 40 CFR 63.5150(a)(3)(iii):

   a. Annual sampling and analysis of the catalyst activity (conversion efficiency) following the manufacturer's or catalyst supplier's recommended procedures.

   b. Monthly inspection of the oxidizer system, including the burner assembly and fuel lines, for problems.

   c. Annual internal and monthly external inspection of the catalyst bed to check for channeling, abrasion, and/or settling. If problems are found, the permittee shall take corrective action consistent with the manufacturer's recommendations and conduct a new performance test to determine destruction efficiency according to 40 CFR 63.5160.

   (9 VAC 5-80-110, 9 VAC 5-60-100, and Condition 4 of the 2/15/06 Permit)

3. **Monitoring Devices** - The permanent total enclosure(s) for metal coil coating Line # 5 shall be equipped with devices to continuously measure the magnitude of negative pressure in the enclosure. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when metal coil coating Line # 5 is operating, excepting brief periods of instrument maintenance.

   (9 VAC 5-80-110, 9 VAC 5-50-260, and Condition 5 of the 2/15/06 Permit)

4. **Monitoring** – The permittee shall conduct monitoring in accordance with the CL5 metal coil coating line capture system monitoring plan but not less frequently than once per shift to ensure good performance of the total enclosures. The permittee shall keep a log of the observations.

   (9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, 9 VAC 5-60-100, and Condition 6 of the 2/15/06 Permit)

C. Recordkeeping

The permittee shall develop a data base record keeping system, or equivalent methodology acceptable to the Department, to maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly and annual VOC throughput in tons for metal coil coating Line # 5 and its coating from the coating preparation equipment. Annual throughput shall be calculated as the sum of each consecutive 12 month period.

2. Monthly and annual VOC emissions in tons from metal coil coating Line # 5 including its coating preparation equipment. Annual emissions shall be calculated as the sum of each consecutive 12 month period.

3. Temperature records of the Line # 5 catalytic oxidizer upstream of the catalyst bed.

4. Monitoring and catalyst replacement records for the catalyst bed.

5. Once per shift records of the negative pressure of the Line # 5 enclosure(s) and any additional records specified in the monitoring plan.

6. Results of all stack tests, visible emission evaluations and performance evaluations.

7. Monitoring system calibrations and calibration checks.

8. Scheduled and unscheduled maintenance, and operator training.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110, and Condition 19 of the 2/15/06 Permit)

D. Testing

1. **Testing/Monitoring Ports** - Metal coil coating Line # 5 shall be modified so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.
(9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 9 of the 2/15/06 Permit)

2. **Stack Tests** – At least once during the four year period after the issuance date of this permit and additionally upon request by the DEQ, the permittee shall conduct performance tests for Volatile Organic Compounds from the coating preparation equipment and/or metal coil coating Line # 5 to demonstrate compliance with the emission limits and control efficiency requirements contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office.
(9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 17 of the 2/15/06 Permit)

3. **Visible Emissions Evaluation** - Upon request by the DEQ, the permittee shall conduct visible emission evaluations from metal coil coating Line # 5 to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office..
   (9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 18 of the 2/15/06 Permit)

4. **Test Methods -** If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a or other method when approved by DEQ
VOC Content	EPA Methods 24, 24a or other method when approved by DEQ
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

The reporting requirements for this section are satisfied by the recordkeeping requirements in this section, and by the Facility Wide and the General Conditions sections.

IV. Process Equipment Requirements – Coating Line 6

A. Limitations

1. **Emission Controls** – Volatile organic compound (VOC) emissions from the metal coil coating Line # 6A (CL6A) shall be controlled by permanent total enclosure and a catalytic oxidizer/incinerator having a 98% destruction efficiency. Volatile organic compound (VOC) emissions from the metal coil coating Line # 6B (CL6B) shall be controlled by permanent total enclosure and a thermal oxidizer/incinerator having a 98% destruction efficiency. Both the catalytic oxidizer/incinerator and the thermal oxidizer/incinerator shall be provided with adequate access for inspection.
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, 9 VAC 5-60-100, and Condition 2 of the 7/16/06 Permit)

2. **Emission Controls** - The catalytic oxidizer on coil coating Line # 6A, during actual coating operations, shall have a 3-hour average gas temperature immediately before the catalyst bed (catalyst inlet gas temperature) not less than the temperature when compliance was demonstrated during the most recent measurement of oxidizer efficiency. (The 3-hour average catalyst inlet gas temperature was 621 ^{0}F during the compliance test for MACT SSSS in 2004.)
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, 9 VAC 5-60-100, and Condition 3 of the 7/16/06 Permit)

3. **Emission Controls** - The thermal incinerator on coil coating Line # 6B, during actual coating operations, shall have a 3-hour average combustion temperature measured at or near the combustion chamber exit not less than the temperature when compliance was demonstrated during the most recent measurement of oxidizer efficiency. (The 3-hour average combustion chamber temperature was 1390 ^{0}F during the compliance test for MACT SSSS in 2004.)
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, 9 VAC 5-60-100, and Condition 5 of the 7/16/06 Permit)

4. **Throughput -** The volatile organic compound throughput for metal coil coating Line # 6 and its coating preparation equipment shall not exceed 3,358 tons per year, calculated as the sum of each 12 consecutive month period.
(9 VAC 5-80-110 and Condition 11 of the 7/16/06 Permit)

5. **Requirements by Reference -** Except where this permit is more restrictive than the applicable requirement, the NSPS subject equipment of metal coil coating Line # 6 shall be operated in compliance with the requirements of 40 CFR 60, Subpart TT.
(9 VAC 5-80-110, 9 VAC 5-50-400, 9 VAC 5-50-410, and Condition 12 of the 7/16/06 Permit)

6. **Requirements by Reference -** Except where this permit is more restrictive than the applicable requirement, the MACT subject equipment of metal coil coating Line # 6 shall be operated in compliance with the requirements of 40 CFR 63, Subpart SSSS. (9 VAC 5-80-110, 9 VAC 5-60-90, 9 VAC 5-60-100, and Condition 13 of the 7/16/06 Permit)

7. **Requirements by Reference –** In such areas where requirements of 40 CFR 60.460 et seq. (NSPS Subpart TT) and 40 CFR 63.5080 et seq. (MACT Subpart SSSS) may create a conflict, MACT Subpart SSSS is deemed to be the prevailing regulation. (9 VAC 5-80-110 and Condition 14 of the 7/16/06 Permit)

8. **Facility or Control Equipment Malfunction - Hazardous Air Pollutant Processes** - Metal coil coating Line # 6 shall shut down immediately if they are unable to meet the applicable emission standards, and shall not return to operation until they are able to operate in compliance with the applicable emission standards. (9 VAC 5-80-110, 9 VAC 5-20-180, and Condition 15 of the 7/16/06 Permit)

9. **Emission Limits -** Emissions from the operation of the coating preparation equipment and metal coil coating Line # 6 shall not exceed the limits specified below:

Volatile Organic Compounds	15.4 lbs/hr	67.16 tons/yr

   (9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-60-300, and Condition 16 of the 2/16/06 Permit)

10. **Visible Emission Limit -** Visible emissions from metal coil coating Line # 6 shall not exceed five percent (5%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). (9 VAC 5-80-110, 9 VAC 5-50-260, and Condition 17 of the 7/16/06 Permit)

11. **Maintenance/Operating Procedures** – At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

    a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

    b. Maintain an inventory of spare parts.

    c. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the air pollution control equipment and maintain records of inspection results.

d. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

e. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110, 9 VAC 5-50-20, and Condition 22 of the 2/16/06 Permit)

B. Monitoring

1. **Monitoring Devices** - The catalytic oxidizer on coil coating Line # 6A shall be equipped with devices to monitor and record continuously the gas temperature upstream of the incinerator catalyst bed in accordance with MACT SSSS and NSPS TT.
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, and 9 VAC 5-60-100, and Condition 3 of the 2/16/06 Permit)

2. **Monitoring** - The permittee shall conduct monitoring in accordance with the CL6 metal coil coating line catalyst bed inspection schedule and maintenance plan. The plan shall address the elements below in accordance with 40 CFR 63.5160(d)(3)(ii) (C) and (D) per 40 CFR 63.5150(a)(3)(iii):

   a. Annual sampling and analysis of the catalyst activity (conversion efficiency) following the manufacturer’s or catalyst supplier’s recommended procedures.

   b. Monthly inspection of the oxidizer system, including the burner assembly and fuel lines, for problems.

   c. Annual internal and monthly external inspection of the catalyst bed to check for channeling, abrasion, and/or settling. If problems are found, the permittee shall take corrective action consistent with the manufacturer’s recommendations and conduct a new performance test to determine destruction efficiency according to 40 CFR 63.5160.

   (9 VAC 5-80-110, 9 VAC 5-60-100, and Condition 4 of the 2/16/06 Permit)

3. **Monitoring** – The thermal incinerator on coil coating Line # 6B shall be equipped with a device to monitor and record continuously the combustion chamber temperature at or near the combustion chamber exit.
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, and 9 VAC 5-60-100, and Condition 5 of the 2/16/06 Permit)

4. **Monitoring Devices** - The permanent total enclosure(s) for metal coil coating Line # 6 shall be equipped with devices to continuously measure the magnitude of negative pressure in the enclosure. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when metal coil coating Line # 6 is operating, excepting brief periods of instrument maintenance.
(9 VAC 5-80-110, 9 VAC 5-50-260, and Condition 6 of the 2/16/06 Permit)

5. **Monitoring** – The permittee shall conduct monitoring in accordance with the CL6 metal coil coating line capture system monitoring plan but not less frequently than once per shift to ensure good performance of the total enclosures. The permittee shall keep a log of the observations.
(9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-50-410, and 9 VAC 5-60-100, and Condition 7 of the 2/16/06 Permit)

C. Recordkeeping

On Site Records - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, West Central Regional Office. These records shall include, but are not limited to:

1. Monthly and annual VOC throughput in tons for metal coil coating Line # 6 and its coating from the coating preparation equipment. Annual throughput shall be calculated as the sum of each consecutive 12 month period.

2. Monthly and annual VOC emissions in tons from metal coil coating Line # 6 including its coating preparation equipment. Annual emissions shall be calculated as the sum of each consecutive 12 month period.

3. Temperature records of the Line # 6A catalytic oxidizer upstream of the catalyst bed.

4. Monitoring and catalyst replacement records for the catalyst bed.

5. Temperature records of the Line # 6B thermal oxidizer near the combustion chamber exit.

6. Once per shift records of the negative pressure of the Line # 6 enclosure(s) and any additional records specified in the monitoring plan.

7. Results of all stack tests, visible emission evaluations and performance evaluations.

8. Monitoring system calibrations and calibration checks.

9. Scheduled and unscheduled maintenance, and operator training.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 and/or Condition 26 of 7/27/01 Permit)

D. Testing

1. **Testing/Monitoring Ports** - Metal coil coating Line # 6 shall be modified so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.
(9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 10 of the 2/16/06 Permit)

2. **Stack Tests** - At least once during the four year period after the issuance date of this permit and additionally upon request by the DEQ, the permittee shall conduct performance tests for Volatile Organic Compounds from the coating preparation equipment and/or metal coil coating Line # 6 to demonstrate compliance with the emission limits and control efficiency requirements contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office.
(9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 18 of the 2/16/06 Permit)

3. **Visible Emissions Evaluation** - Upon request by the DEQ, the permittee shall conduct visible emission evaluations from metal coil coating Line # 6 to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office.
(9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 19 of the 2/16/06 Permit)

4. **Test Methods** - If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a or other method when approved by DEQ
VOC Content	EPA Methods 24, 24a or other method when approved by DEQ
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

The reporting requirements for this section are satisfied by the recordkeeping requirements in this section and by the Facility Wide and the General Conditions.

V. Process Equipment Requirements – Coating Line Mixing Room

A. Limitations

1. **Emission Controls** – Volatile organic compound (VOC) emissions from the coating mix preparation equipment (all mixing vessels in which solvent and other materials are blended to prepare rubber/polymeric coatings) shall be controlled by a coating line catalytic oxidizer/incinerator at all times that a coating line is in operation.
(9 VAC 5-80-110, 9 VAC 5-50-260, Condition 7 of the 2/15/06 Permit, and Condition 8 of the 2/16/06 Permit)

B. Monitoring

1. **Monitoring** - Capture ducting and/or hoods from the coating mix preparation equipment will be visually inspected monthly.
(9 VAC 5-80-110)

C. Recordkeeping

On Site Records - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, West Central Regional Office. These records shall include, but are not limited to:

1. A record of the monthly visual inspection of the capture ducting and or hoods.

2. Results of the annual negative pressure or velocity tests.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110)

D. Testing

1. **Testing** - Annually or upon request of VDEQ, the permittee will test for negative pressure in all enclosed mixing equipment and face velocity for all hoods controlling coating mix preparation equipment. This test make be completed using a smoke gun or any other method that adequately demonstrates negative pressure or face velocity.
(9 VAC 5-80-110)

E. Reporting

The reporting requirements for this section are satisfied by the recordkeeping requirements in this section and by the Facility Wide and the General Conditions.

VI. Process Equipment Requirements – Miscellaneous Equipment

A. Limitations

1. **Visible Emission Limit** - Visible emissions from the rubber grinder shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). Visible emission evaluations shall be conducted on these exhausts. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office. The condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and 9 VAC 5-50-260)

B. Monitoring

Monitoring is satisfied by Facility Wide Condition VII-B-1, requiring a weekly modified Method 22 observation on all plant emission points with an opacity limit.

C. Recordkeeping

Record keeping is satisfied by Facility Wide Condition VII-C-5, requiring records of the weekly modified Method 22 observation on all plant emission points with an opacity limit.

D. Testing

1. **Visible Emissions Evaluation** - Upon request by the DEQ, the permittee shall conduct additional visible emission evaluations in accordance with 40 CFR, Part 60, Appendix A, Method 9 on the rubber grinder exhaust stack to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests are to be arranged with the Air Compliance Manager, West Central Regional Office.
(9 VAC 5-80-110 and 9 VAC 5-50-260)

2. **Test Methods** - If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

The reporting requirements for this section are satisfied by the recordkeeping requirements in this section and by the Facility Wide and the General Conditions.

VII. Facility Wide Conditions

A. Limitations

1. **VOC Work Practice Standards** – At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.

   (9 VAC 5-80-110, 9 VAC 5-50-20, Condition 8 of the 2/15/06 Permit, and Condition 9 of the 2/16/06 Permit)

2. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

   (9 VAC 5-80-110, 9 VAC 5-20-80, Condition 24 of the 2/15/06 Permit, and Condition 25 of the 2/16/06 Permit)

B. Monitoring

1. **Visible Emissions** – Each emissions unit with a visible emissions requirement in this permit shall be observed visually at least once each calendar week in which the emissions unit operates. The visual observations shall be conducted using 40 CFR 60 Appendix A Method 22 techniques (condensed water vapor/steam is not a visible emission) for at least a brief time to only identify the presence of visible emissions. Each emissions unit in the Method 22 technique observation having visible emissions shall be evaluated by conducting a 40 CFR 60 Appendix A Method 9 visible emissions evaluation (VEE) for at least six (6) minutes, *unless corrective action is taken that achieves no visible emissions.* 40 CFR 60 Appendix A Method 9 requires the observer to have a Method 9 certification that is current at the time of the VEE. If any of these six (6) minute VEE averages exceed the unit's opacity limitation, a VEE shall be conducted on these emissions for at least 3 six minute periods (at least 18 minutes). All visible emission observations, VEE results, and corrective actions taken shall be recorded. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular emissions unit, the permittee may reduce the monitoring frequency to once per month for that stack. The permittee shall notify the Air Compliance Manager, West Central Regional Office, when the monitoring frequency is reduced from at least each calendar week to at least each calendar month. Anytime a monthly visible emissions evaluation shows visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.

   (9 VAC 5-80-110)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, West Central Regional Office. These records shall include, but are not limited to:

1. Results of all stack tests, visible emission evaluations and performance evaluations.

2. Material Safety Data Sheets (MSDS), Certified Product Data Sheets (CPDS) or other vendor information approved by VDEQ showing VOC content, HAP content, water content, and solids content for each coating used.

3. Records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.

4. Any additional records not otherwise specified in this permit, as required, to demonstrate compliance with NSPS TT or MACT SSSS.

5. Weekly records of required opacity evaluations including all Method 22 evaluations, all Method 9 evaluations, all corrective adjustments associated with opacity observations, and a record of any emission source which did not operate during the weekly evaluation period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110, Condition 19 of the 2/15/06 Permit, Condition 22 of the 2/15/06 Permit, Condition 20 of the 2/16/06 Permit, and/or Condition 23 of the 2/16/06 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110)

2. If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a or other method when approved by DEQ
VOC Content	EPA Methods 24, 24a or other method when approved by DEQ
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

E. Reporting

1. **MACT SSSS Semi-Annual Reports** - The permittee shall submit semi-annual written reports to the Air Compliance Manager, West Central Regional Office and to the EPA Region III, MACT SSSS Compliance Coordinator. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. All reports shall contain the information required by 40 CFR 63.5180, which can include startup, shutdown, and malfunction reporting. In accordance with 40 CFR 63.5180(g)(1)(v), the permittee has the option to submit the first semi-annual report on March 1, 2007. The report should cover the six month period following the initial 12 month period discussed in the NCS report. The subsequent semi-annual compliance reports must be submitted no later than the Title V semi-annual compliance reporting deadlines. No reporting period shall be longer than six months.

   (9 VAC 5-50-50, 9 VAC 5-80-1100, and 9 VAC 5-60-100)

Other reporting requirements for this section are satisfied by the recordkeeping requirements in this section and the General Conditions section.

VIII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
CL5B	Unit 5 Boiler (gas)	9 VAC 5-80-720C	NOx, VOC, PM, CO	4.5 MMBtu/hr input natural gas/propane
G1 & G2	Oil Water Separators	9 VAC 5-80-720B	VOC	36 gallons
T1	Solvent Tank	9 VAC 5-80-720B	VOC	10,000 gal.
T2	Solvent Tank	9 VAC 5-80-720B	VOC	5000 gal.
T3	Solvent Tank	9 VAC 5-80-720B	VOC	3000 gal.
T4	Solvent Tank	9 VAC 5-80-720B	VOC	5,000 gal.
CL6C	Unit 6 Boiler (gas)	9 VAC 5-80-720C	NOx, VOC, PM, CO	4.7 MMBtu/hr input natural gas/propane

These insignificant emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

IX. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
9 VAC 5-40-260	Standard for Particulate Matter Emissions	The Standard for Particulate Matter Emissions is not applicable to the emission units listed below because these emission units are inherently not particulate emitters: CLMR-Coating Mixing/Coating Preparation Equipment and CL5 and CL6-Coating Lines 5 and 6.
9 VAC 5-40-280	Standard for Sulfur Dioxide Emissions	The Standard for Sulfur Dioxide Emissions is not applicable to the emission units listed below because these emission units are inherently not sulfur dioxide emitters: CLMR-Coating Mixing/Coating Preparation Equipment and CL5 and CL6-Coating Lines 5 and 6.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

X. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

   (9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Air Compliance Manager, West Central Region within four daytime business hours, after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. [Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40.] The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition X.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Air Compliance Manager, West Central Region by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within fourteen days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Air Compliance Manager, West Central Region.
[(9 VAC 5-20-180 C)]

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F 2 b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Statements for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

XI. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. Odor

2. State toxics rule

No State-Only enforceable conditions are contained in either of the underlying NSR permits for this facility.
(9 VAC 5-80-110 N and 9 VAC 5-80-300)